

**Naval Air Station Brunswick
Cumberland County
Brunswick, Maine
A-268-71-W-M**

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #2**

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

1. Naval Air Station Brunswick (NASB) of Brunswick, Maine was issued Air Emission License A-268-71-T-A/R on April 21, 2000, permitting the operation of emission sources associated with their military flight operations facility. The license was subsequently amended on November 6, 2000(A-268-71-V-A).
2. NASB has requested a minor revision to their license in order to add a 125 kW generator and relocate Engine #14.

B. Revision Description

1. NASB is licensed to operate the following new equipment:

Electrical Generation Equipment

<u>Equipment</u>	<u>Power Output (kW)</u>	<u>Firing Rate (gal/hr)</u>	<u>Fuel Type, % Sulfur</u>
Engine #46 Building 554	125	9.2	diesel, 0.05%

2. NASB plans to relocate Engine #14 from Building 233 to Building 250 and rename it Engine #47.

C. Application Classification

This amendment will not increase permitted annual emissions. Therefore, this modification is determined to be a minor revision and has been processed as such.

II. BEST PRACTICAL TREATMENT (BPT)

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in Chapter 100 of the Air Regulations. Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in Chapter 100 of the Air Regulations. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

B. Engine #46

NASB will operate Engine #46 in Building 554 for back-up purposes should there be a loss of power to the facility. This unit is rated at 125 kW and shall be limited to the firing of low sulfur diesel fuel with a maximum sulfur content not to exceed 0.05% by weight. In conjunction with the above requirement and the existing annual diesel fuel use limit for the facility, these units will meet the requirements of BACT.

ORDER

The Department hereby grants Air Emission License Minor Revision A-268-71-W-M, subject to the conditions found in Air Emission License A-268-71-T-A/R, in the amendment A-268-71-V-A, and in addition to the following conditions:

(23) Engine #46

A. Engine #46 in Building 554 shall be limited to the firing of low sulfur diesel fuel with a maximum sulfur content not to exceed 0.05% by weight, as demonstrated by purchase receipts from the supplier.

B. Emissions from Engine #46 shall not exceed the following:

Equipment		PM	PM ₁₀	SO ₂	NO _x	CO	VOC
Engine #46	lb/hr	0.15	0.15	0.06	5.4	1.2	0.43

- C. Visible emissions from Engine #46 shall not exceed 30% opacity based on a six (6) minute block average basis, except for no more than two (2) six (6) minute block averages in a 3-hour period.
- (24) Engine #14 shall be located in Building 250 instead of Building 233 and renamed Engine #47.
- (25) NASB shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard (Title 38 MRSA §605-C).
- (26) **Annual Emission Statement**
In accordance with MEDEP Chapter 137, the licensee shall annually report to the Department the information necessary to accurately update the State's emission inventory by means of:
- 1) A computer program and accompanying instructions supplied by the Department;
or
 - 2) A written emission statement containing the information required in MEDEP Chapter 137.

Reports and questions should be directed to:

Attn: Criteria Emission Inventory Coordinator
Maine DEP
Bureau of Air Quality
17 State House Station
Augusta, ME 04333-0017

Phone: (207) 287-2437

The emission statement must be submitted by September 1.

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(27) This amendment shall expire concurrently with Air Emission License A-268-71-T-A/R.

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2001.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
MARTHA G. KIRKPATRICK, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 8/16/01

Date of application acceptance: 8/22/01

Date filed with the Board of Environmental Protection: _____

This Order prepared by Lynn Ross, Bureau of Air Quality.